

**WASHINGTON STATE DEPARTMENT OF HEALTH
OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS**

ANNUAL GROWING AREA REVIEW

PREPARED BY: Donald Melvin, Environmental Specialist

AREA: Fox Island

YEAR ENDING: December 31, 2005

CLASSIFICATION: Approved, Prohibited

ACTIVITIES IN THE GROWING AREA IN 2005:

Samples were collected from each station in the growing area 6 times during the year using the systematic random sampling method.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard. Station #347 is listed as of concern due to elevated bacteria levels.

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

We currently have no information indicating that the area has new sources of pollution. Water sample results suggest the existence of an active pollution source in the vicinity of sampling station #347.

CLASSIFICATION STATUS:

- ☐ Well within the classification standards
- ☒ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Table #1 shows that all stations meet the NSSP water quality standards for approved classification and the area is correctly classified. The periodic high levels of bacteria found at sampling station #347 suggest the presence of an active, possibly intermittent, pollution source. Additional shoreline investigations should be undertaken.

TABLE 1**SUMMARY OF MARINE WATER DATA (SRS)**Growing Area: **FOX ISLAND**Classification: **Approved,Unclassified**From **01/18/2001** To **11/07/2005****FECAL COLIFORM ORGANISMS/100 ML**

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
345	Approved	30	1.7 - 11.0	2.1	4.0	Yes
346	Approved	30	1.7 - 2.0	1.7	1.0	Yes
347	Approved	30	1.7 - 920.0	3.8	29.0	Yes
348	Approved	30	1.7 - 7.8	2.2	4.0	Yes
349	Approved	30	1.7 - 13.0	2.5	6.0	Yes
350	Approved	30	1.7 - 6.1	1.9	2.0	Yes
644	Unclassified	18	1.7 - 2.0	1.7	1.0	*N/A

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

* N/A - SRS criteria require a minimum of 30 samples from each station. *

† All samples have been verified.

